lovE-5

ATGGCTGCAGATCAAGGTATATTCACGAACTCGGTCACTCTCTCGCCAGTGGAGGGTTCACGCAC
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AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAGCGTTGCCAGCAGGCTGGACTT
CGATGCGTCTACAGTGAGCGACGCCCCAAGCGCAAGCTACGCCAATCCAGGGCAGCGGATCTCGT
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TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
GACTGGTCGTGGACCTCGATTGGCACTGACGAGGCTATTGACACTGACTGCTGGGGGCTGTCCCA
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CGAGAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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TTACGGACCAAGAACCTCTTTACGGCAGTACACTGTTACATATTGAATGTGCGGATTTTGACCGC
CATATCGGAGTTGCTCCTGTCGCAAATTAGGCGGACCCAGAACAGCCATATGAGCCCACTGGAAG
GGAGTCGATCCCAGTCGCCGAGCAGAGACGACACCAGCAGCAGCAGCGGCCACAGCAGTGTTGAC
ACCATACCCTTCTTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCTGAC
ACACGCCCTATTCTCGGCTTGCACTACGTTACATGTTGGGGTACAATTGCTGCGTGAGAATGAGA
TTACTCTGGGAGTACACTCCGCCCAGGGCATTGCAGCTTCCATCAGCATGAGCGGGGAACCAGGC
GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACTACTCCAGC
GGCTCGGGTTTTGTTCATGTTCTTGAGTGATGAAGGGGCTTTCCAGGAGGCAAAGTCTGCTGGTT
CCCGAGGTCGAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTTTCCCTCGCCCGCAAA
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lovE-6

ATGGCTGCAGATCAAGGTATATTCACGAACTCGGTCACTCTCTCGCCAGTGGAGGGTTCACGCAC
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CGATGCGTCTACAGTGAGCGATGCCCCAAGCGCAAGCTACGCCAATCCAGGGCAGCGGATCTCGT
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TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
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CGAAAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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GGCTTCTTACTGTCCTGCGCCAACAAGCGCAGGCCGACTGCCATCAAGGCACACTAGACGAATGT
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GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC
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CACAAACATGGCATGCTCAGAGACCTCAACAATATTCCTCCATGA (SEQ ID NO:71)

lovE-7

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AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAGCGTTGCCAGCAGGCTGGACTT
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CTCTGCTGACCCAGATCCCTGCTTGCACATGTCCTCGCCTCCAGTGCCCTCACAGAGCTTGCCGC
TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
GACTGGTCGTGGACCTCGATTGGCACTGACGAGGCTATTGACACTGACTGCTGGGGGCTGTCCCA
ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTTCGAGT
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CGAGAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC
GGCTCGGGTTTTGTTCATGTTCTTGAGTGATGAAGGGGCTTTCCAGGAGGCAAAGTCTGCTGGTT
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lovE-8

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AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAGCGTTGCCAGCAGGCTGGACTT
CGATGCGTCTACAGTGAGCGACGCCCCAAGCGCAAGCTACGCCAATCCAGGGCAGCGGATCTCGT
CTCTGCTGACCCAGATCCCTGCTTGCACATGTCCTCGCCTCCAGTGCCCTCACAGAGCTTGCCGC
TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
GACTGGTCGTGGACCTCGATTGGCACTGACGTGGCTATTGACACTGACTGCTGGGGGCTGTCCCA
ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTTCGAGT
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CGAGAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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TTACGGACCAAGAACCTCTTTACGGCAGTACACTGTTACATATTGAATGTGCGGATTTTGACCGC
CATATCGGAGTTGCTCCTGTCGCAAATTAGGCGGACCCAGAACAGCCATATGAGCCCACTGGAAG
GGAGTCGATCCCAGTCGCCGAGCAGAGACGACACCAGCAGCAGCAGCGGCCACAGCAGTGTTGAC
ACCATACCCTTCTTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCTGAC
ACACGCCCTATTCTCGGCTTGCACTACGTTACATGTTGGGGTACAATTGCTGCGTGAGAATGAGA
TTACTCTGGGAGTACACTCCGCCCAGGGCATTGCAGCTTCCATCAGCATGAGCGGGGAACCAGGC
GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC
GGCTCGGGTTTTGTTCATGTTCTTGAGTGATGAAGGGGCTTTCCAGGAGGCAAAGTCTGCTGGTT
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-57-

lovE-9

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AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAGCGTTGCCAGCAGGCTGGACTT
CGATGCGTCTACAGTGAGCGACGCCCCAAGCGCAAGCTACGCCAATCCAGGGCAGCGGATCTCGT
TTCTGCTGACCCAGATCCCTGCTTGCACATGTCCTCGCCTCCAGTGCCCTCACAGAGCTTGCCAC
TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
GACTGGTCGTGGACCTCGATTGGCACTGACGAGGCTATTGACACTGACTGCTGGGGGCTGTCCCA
ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTTCGAGT
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CGAGAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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TTACGGACCAAGAACCTCTTTACGGCAGTACACTGTTACATATTGAACGTGCGGATTTTGACCGC
CATATCGGAGTTGCTCCTGTCGCAAATTAGGCGGACCCAGAACAGCCATATGAGCCCACTGAAAG
GGAGTCGATCCCAGTCGCCGAGCAGAGACGACACCAGCAGCAGCAGCGGCCACAGCAGTGTTGAC
ACCATACCCTTCTTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCTGAC
ACACGCCCTATTCTCGGCTTGCACTACGTTACATGTTGGGGTACAATTGCTGCGTGAGAATGAGA
TTACTCTGGGAGTACACTCCGCCCAGGGCATTGCAGCTTCCATCAGCATGAGCGGGGAACCAGGC
GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC
GGCTCGGGTTTTGTTCATGTTCTTGAGTGATGAAGGGGCTTTCCAGGAGGCAAAGTCTGCTGGTT
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lovE-10

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AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAGCGTTGCCAGCAGGCTGGACTT
CGATGCGTCTACAGTGAGCGATGCCCCAAGCGCAAGCTACGCCAATCCAGGGCAGCGGATCTCGT
CTCTGCTGACCCAGATCCCTGCTTGCACATGTCCTCGCCTCCAGTGCCCTCACAGAGCTTGCCGC
TAGACGTATCCGAGTCGCATTCCTCAAATACCTCCCGGCAATTTCTTGATCCACCGGACAGCTAC
GACTGGTCGTGGACCTCGATTGGCACTGACGAGGCTATTGACACTGACTGCTGGGGGCTGTCCCA
ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTTCGAGT
CTACGGTTGAAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCGGCCAGTGCGCAA
CGAGAGCTTTTCGATGACCTGTCGGCGGTGTCGCAGGAACTGGAAGAGATCCTTCTGGCCGTGAC
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GGCTTCTTACTGTCCTGCGCCAACAAGCGCAGGCCGACTGCCATCAAGGCACACTAGACGAATGT
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CATATCGGAGTTGCTCCTGTCGCAAATTAGGCGGACCCAGAACAGCCATATGAGCCCACTGGAAG
GGAGTCGATCCCAGTCGCCGAGCAGAGACGACACCAGCAGCAGCAGCGGCCACAGCAGTGTTGAC
ACCATACCCTTCTTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCTGAC
ACACGCCCTATTCTCGGCTTGCACTACGCTACATGTTGGGGTACAATTGCTGCGTGAGAATGAGA
TTACTCTGGGAGTACACTCCGCCCAGGGCATTGCAGCTTCCATCAGCATGAGCGGGGAACCAGGC
GAGGATATAGCCAGGACAGGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC
GGCTCGGGTTTTGTTCATGTTCTTGAGTGATGAAGGGGCTTTCCAGGAGGCAAAGTCTGCTGGTT
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CACAAACATGGCATGCTCAGAGACCTCAACAATATTCCTCCATGA (SEQ ID NO:75)
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-58-